

Technical Data Sheet

Product	Anti-Hu CD99 Pacific Blue™
Cat. Number/Size	PB-658-T100 100 tests
	For Research Use Only.
	Not for use in diagnostic or therapeutic procedures.

Antigen	CD99
Clone	3B2/TA8
Format	Pacific Blue™
Reactivity	Human
Application	FC (QC tested)
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Excitation laser	violet (405 nm)
Isotype	Mouse IgG2a kappa
Specificity	The mouse monoclonal antibody 3B2/TA8 recognizes an extracellular epitope of CD99, an approximately 32 kDa sialoglycoprotein expressed on the surface of many cell types, with particularly strong expression on Ewing's sarcoma and peripheral primitive neuroectodermal tumors. Within the hematopoietic system, CD99 is expressed on virtually all cell types except granulocytes.
Other names	MIC2, HBA71, blood group Xg
Workshop	HLDA VI: WS Code T 6T-097, BP 534
Immunogen	Human thymocytes
Entrez Gene ID	4267
Gene name	CD99
NCBI Full Gene Name	CD99 molecule (Xg blood group)
UniProt ID	P14209

Preparation	Purified antibody is conjugated with Pacific Blue™ NHS ester under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Formulation	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage and handling	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images and References www.exbio.cz

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